Huntington Memorial Hospital

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Site visit
Dr. Aviado

Dr. Aviado was not present, but I was shown around by Dr. Watanabe. The group just received a smoking machine (Walton smoking machine). They have not as yet been able to do much work on smoking and small animals.

On larger animals, as well as on smaller ones, they have measured pulmonary resistance and pulmonary compliance, using small animals such as monkeys, rats, and mice.

The pulmonary resistance and compliance were measured as usual; the resistance was measured from ratio of pressure over flow, and the compliance from the ratio volume over pressure. In addition, tidal volume, blood pressure, and EKG are recorded.

They are studying the effect of pulmonary edema, which they produce with iodoacetomide and measure the effect of this on these parameters.

Histological studies have not yet been extensively carried out, but they will be done at a later date.

Work on smoking will be done first with low-nicotine cigarettes, and they will measure the functional residual capacity, pulmonary compliance, and airway resistance, together with biochemical studies and blood gases, one month after onset of smoking.

This appears to be a very worthwhile project because of the sophisticated technique and the use of very small and very large animals. I recommend continuation of approval.

Richard J. Bing, M.D.

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